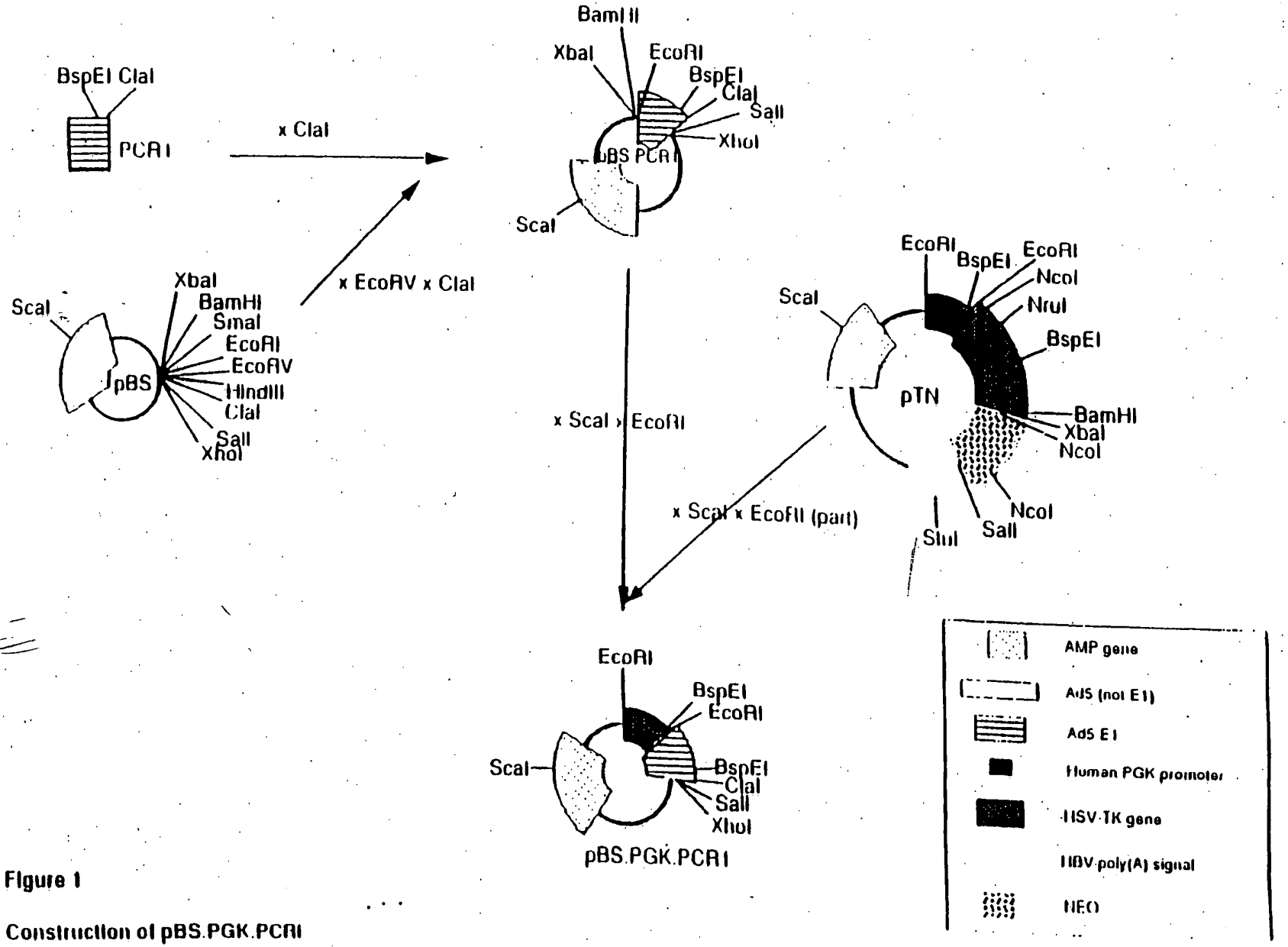


Figure 1

Construction of pBS.PGK.PCR I

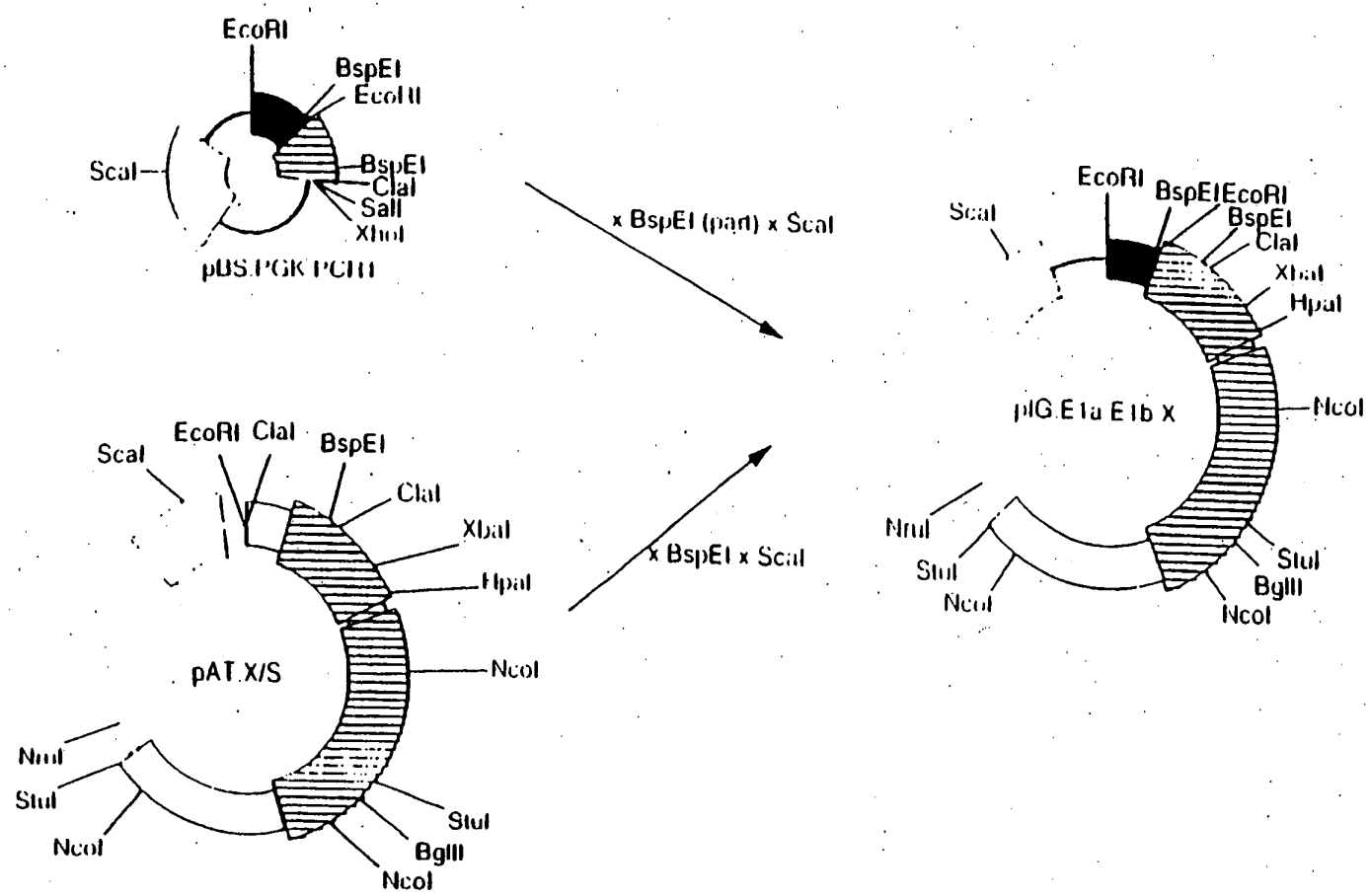


Figure 2

Construction of pIG.E1a.E1b.X

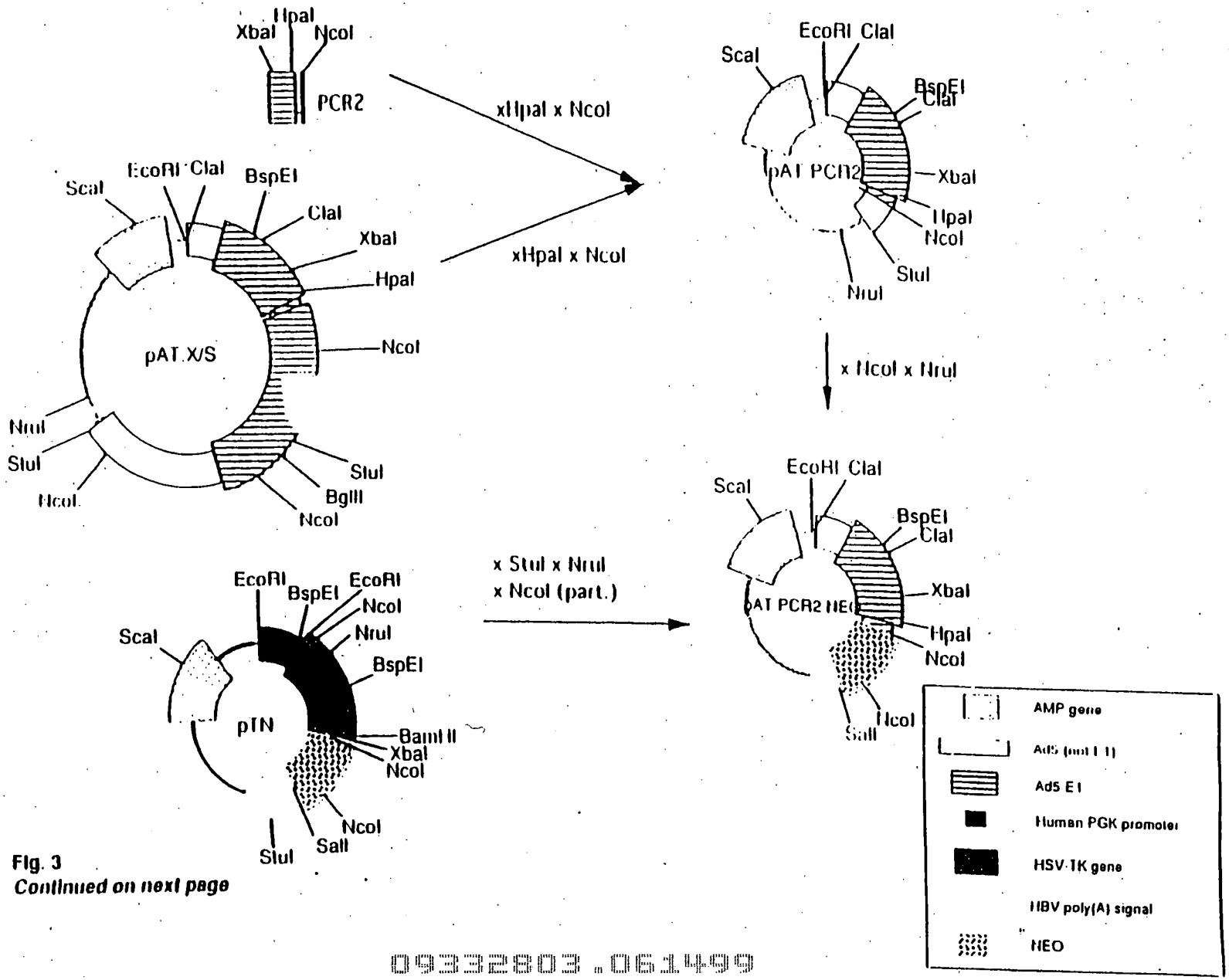


Fig. 3

Continued on next page

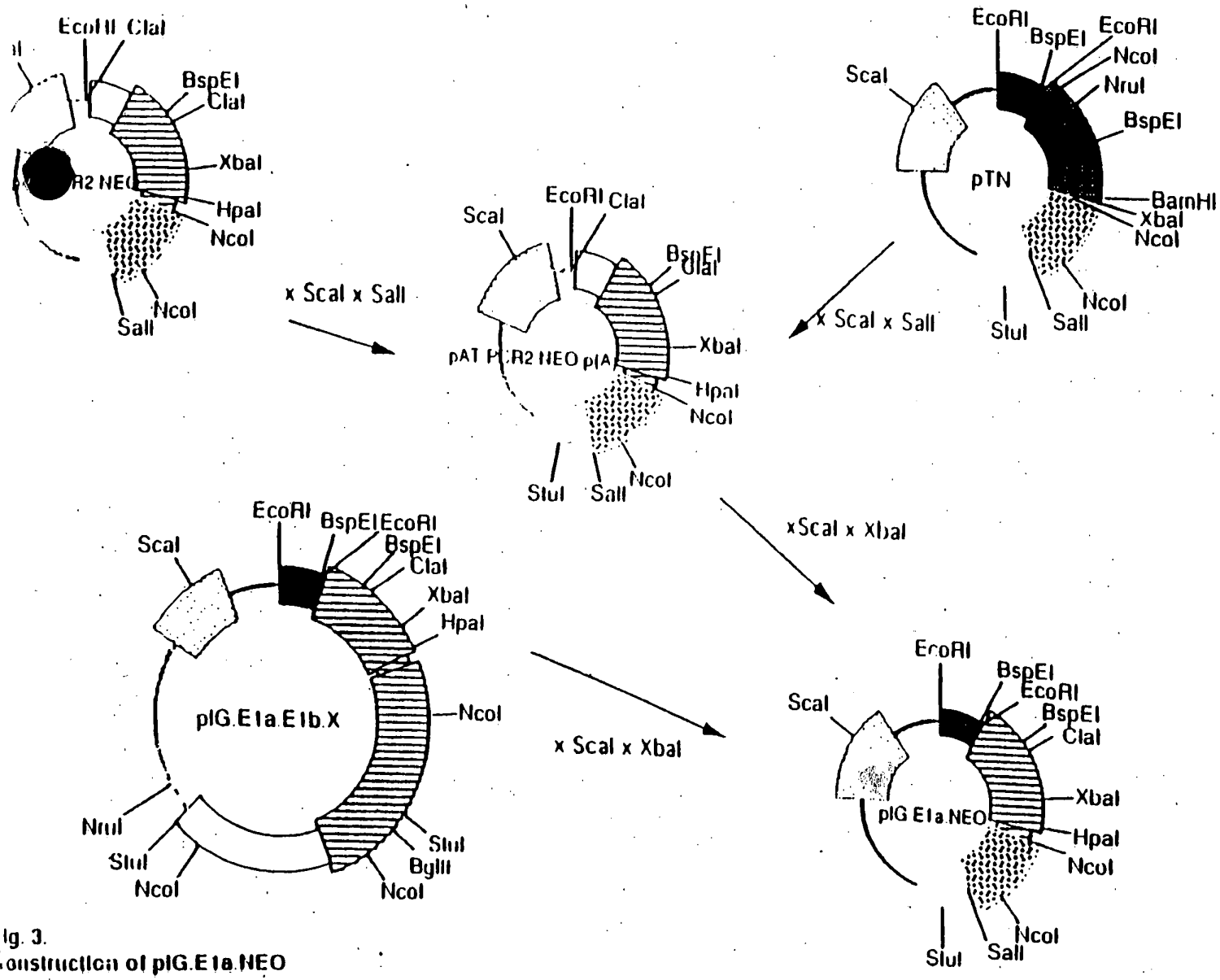


Fig. 3.
Construction of pIG.E1a.NEO

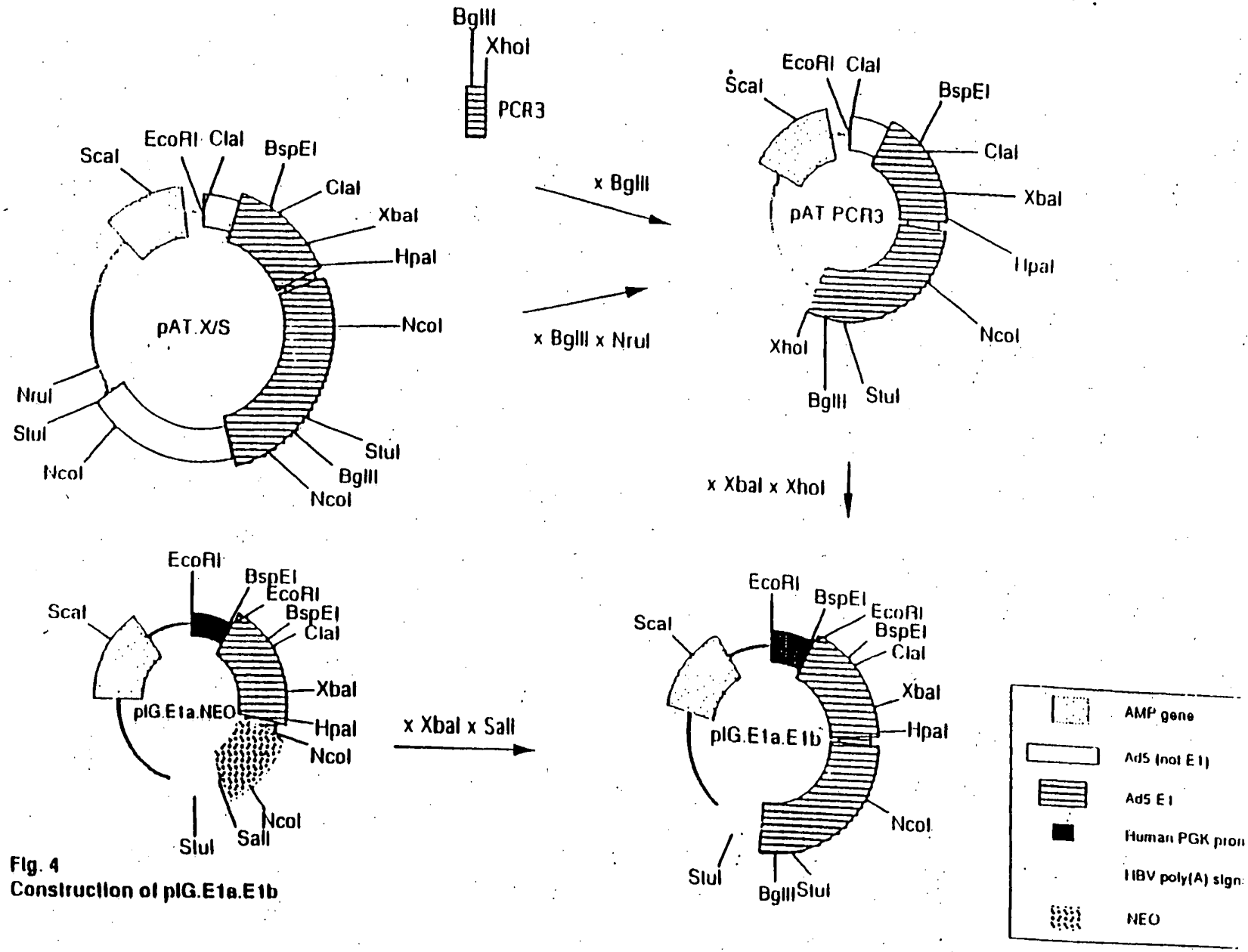


Fig. 4
Construction of pIG.E1a.E1b

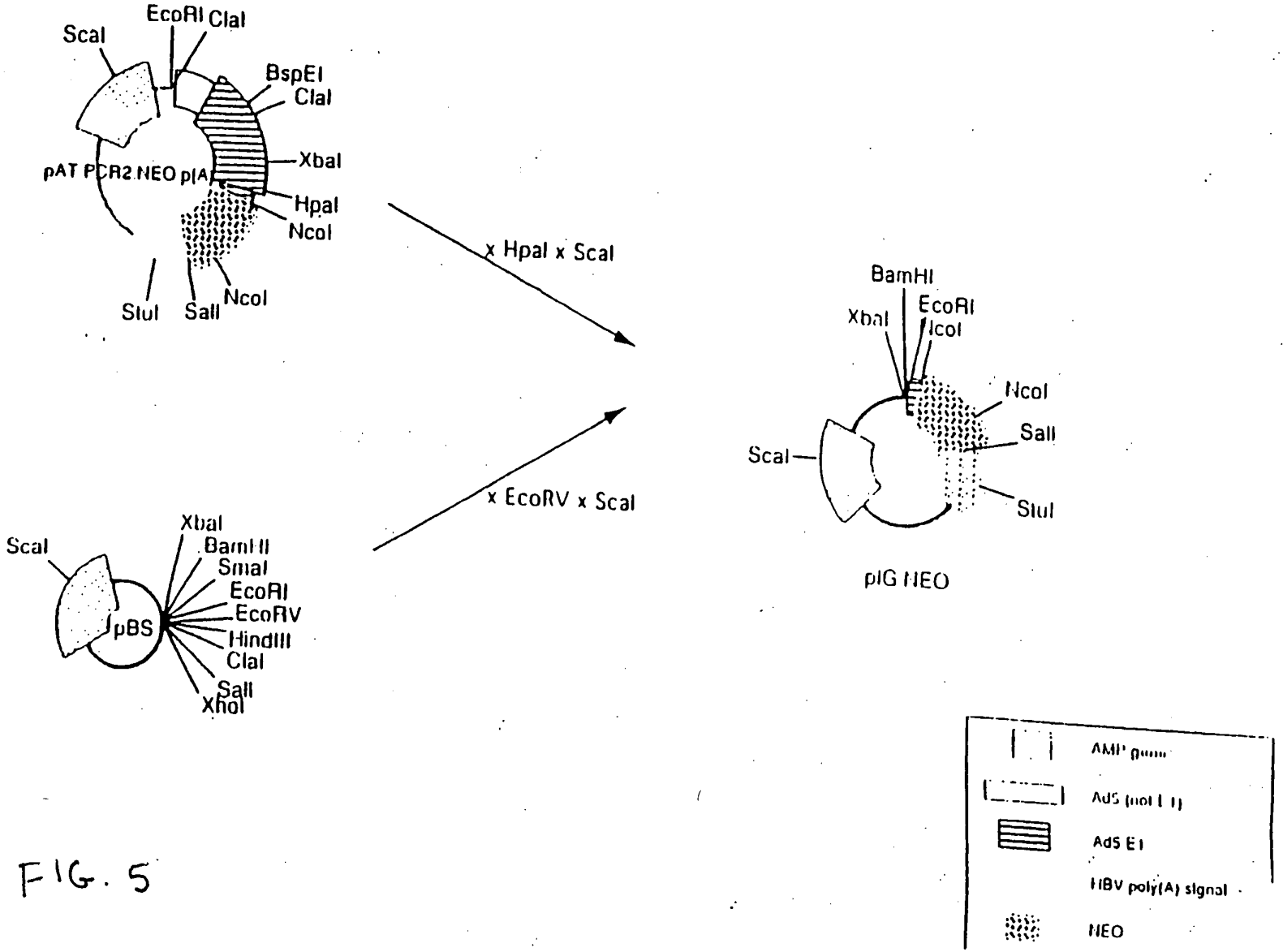
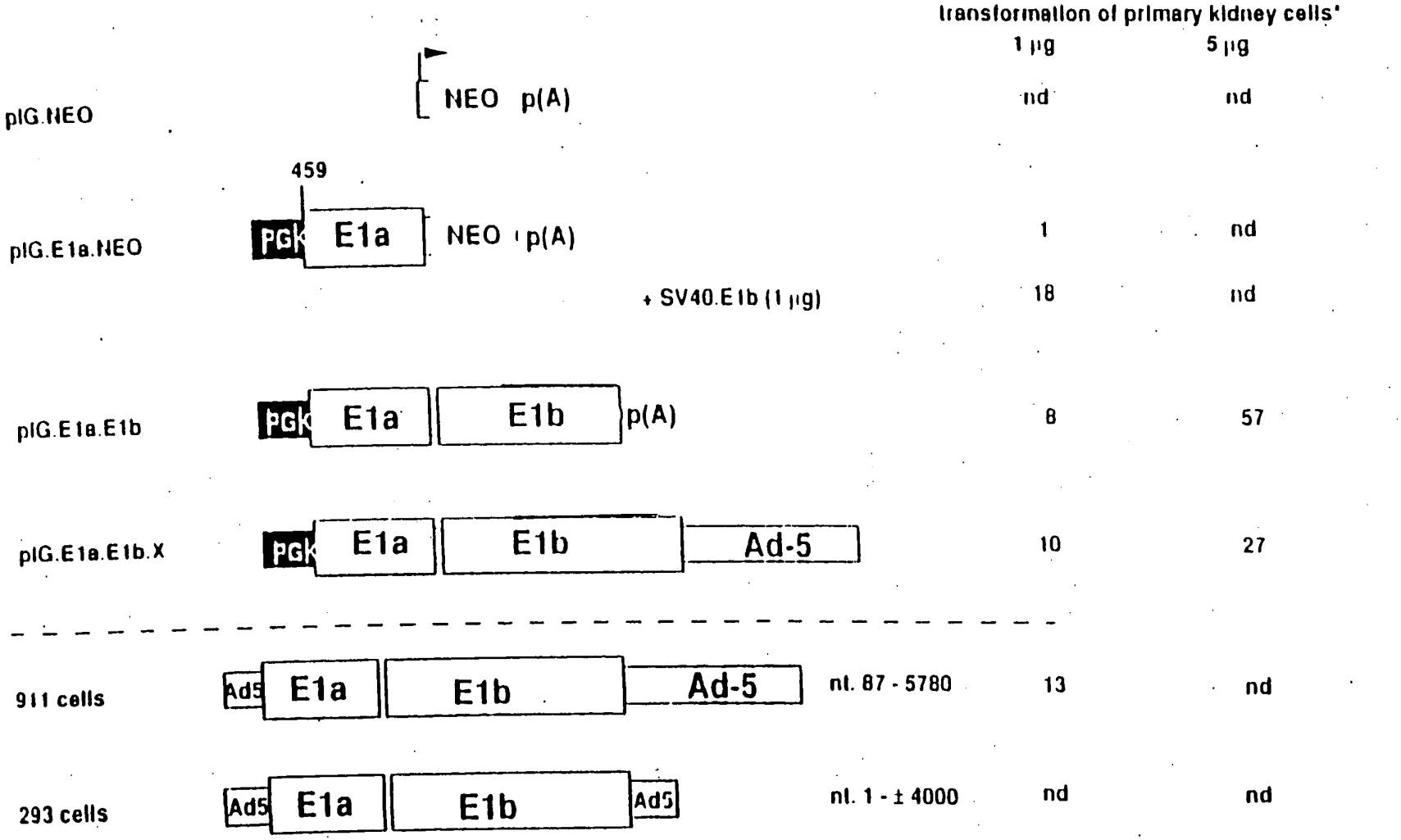


FIG. 5



*average of 5 plates 21 days after transfection

Figure 6

Figure 7

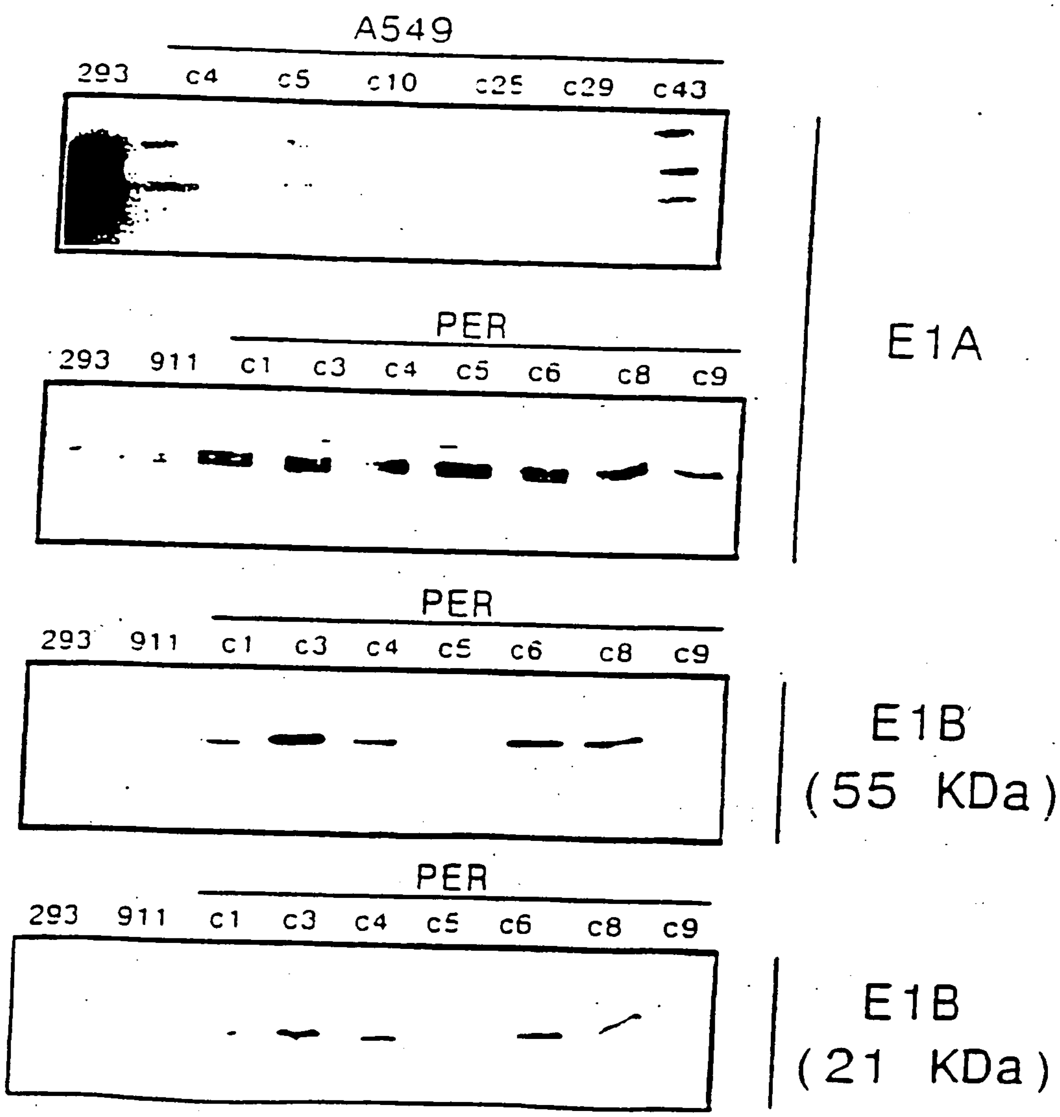

A549
293
c4
c5
c10
c25
c29
c43
PER
293
911
c1
c3
c4
c5
c6
c8
c9
E1A
PER
293
911
c1
c3
c4
c5
c6
c8
c9
E1B
(55 KDa)
PER
293
911
c1
c3
c4
c5
c6
c8
c9
E1B
(21 KDa)

Figure 8

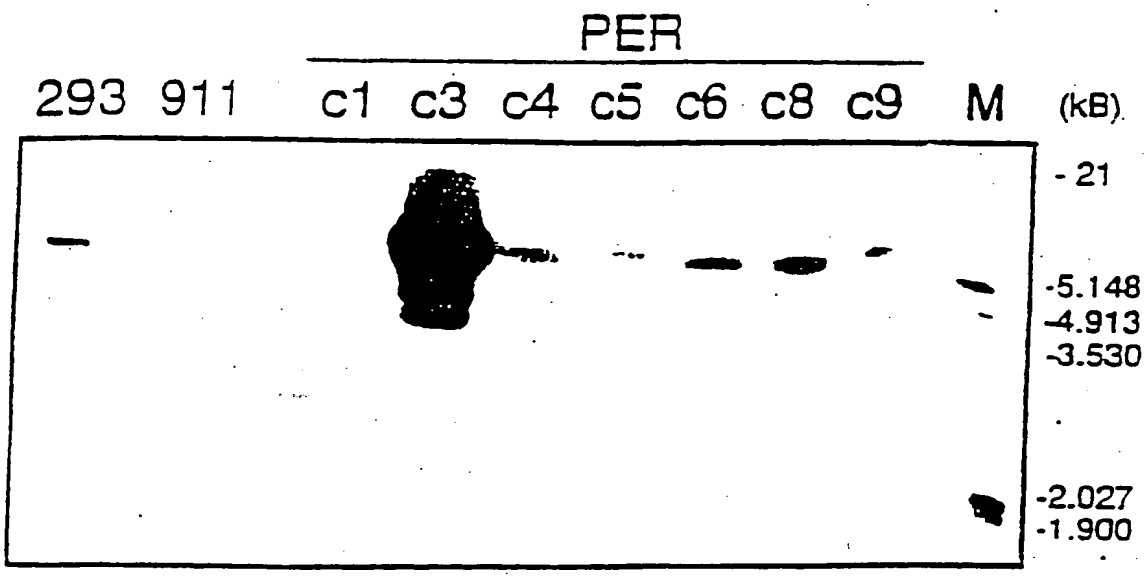
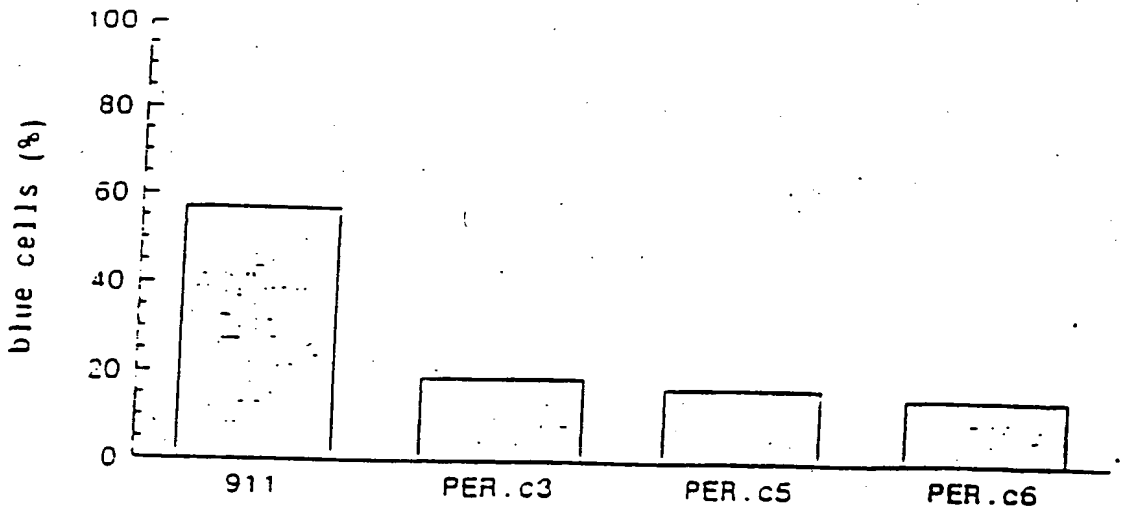


Figure 9



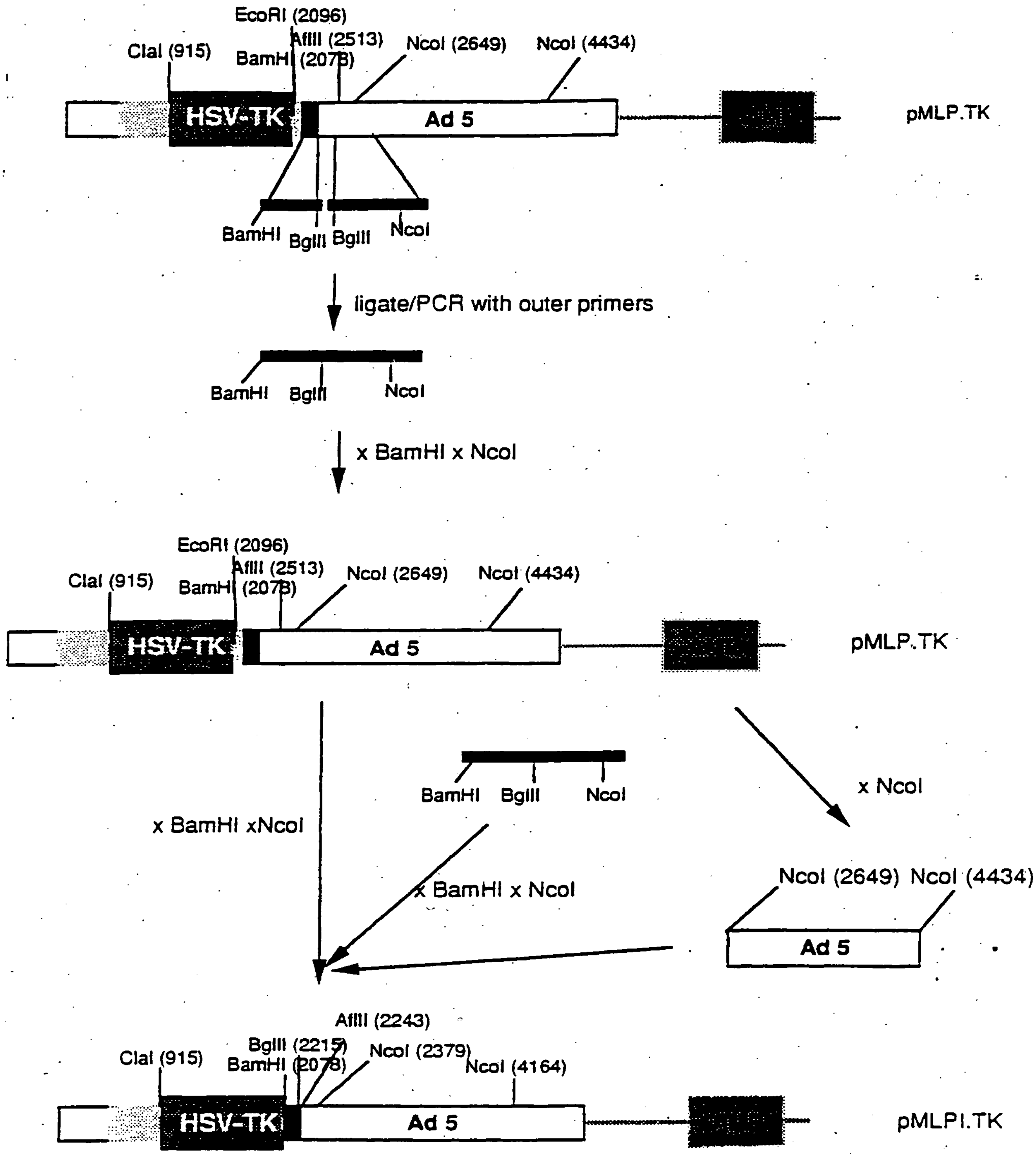

EcoRI (2096)
AflII (2513)
ClaI (915)
BamHI (2078)
NcoI (2649)
NcoI (4434)
HSV-TK
Ad 5
pMLP.TK
BamHI
BglII
BglII
NcoI
ligate/PCR with outer primers
BamHI
BglII
NcoI
x BamHI x NcoI
EcoRI (2096)
AflII (2513)
ClaI (915)
BamHI (2078)
NcoI (2649)
NcoI (4434)
HSV-TK
Ad 5
pMLP.TK
BamHI
BglII
NcoI
x NcoI
x BamHI xNcoI
x BamHI x NcoI
NcoI (2649)
NcoI (4434)
Ad 5
AflII (2243)
BglII (2215)
ClaI (915)
BamHI (2078)
NcoI (2379)
NcoI (4164)
HSV-TK
Ad 5
pMLPI.TK

Fig. 10

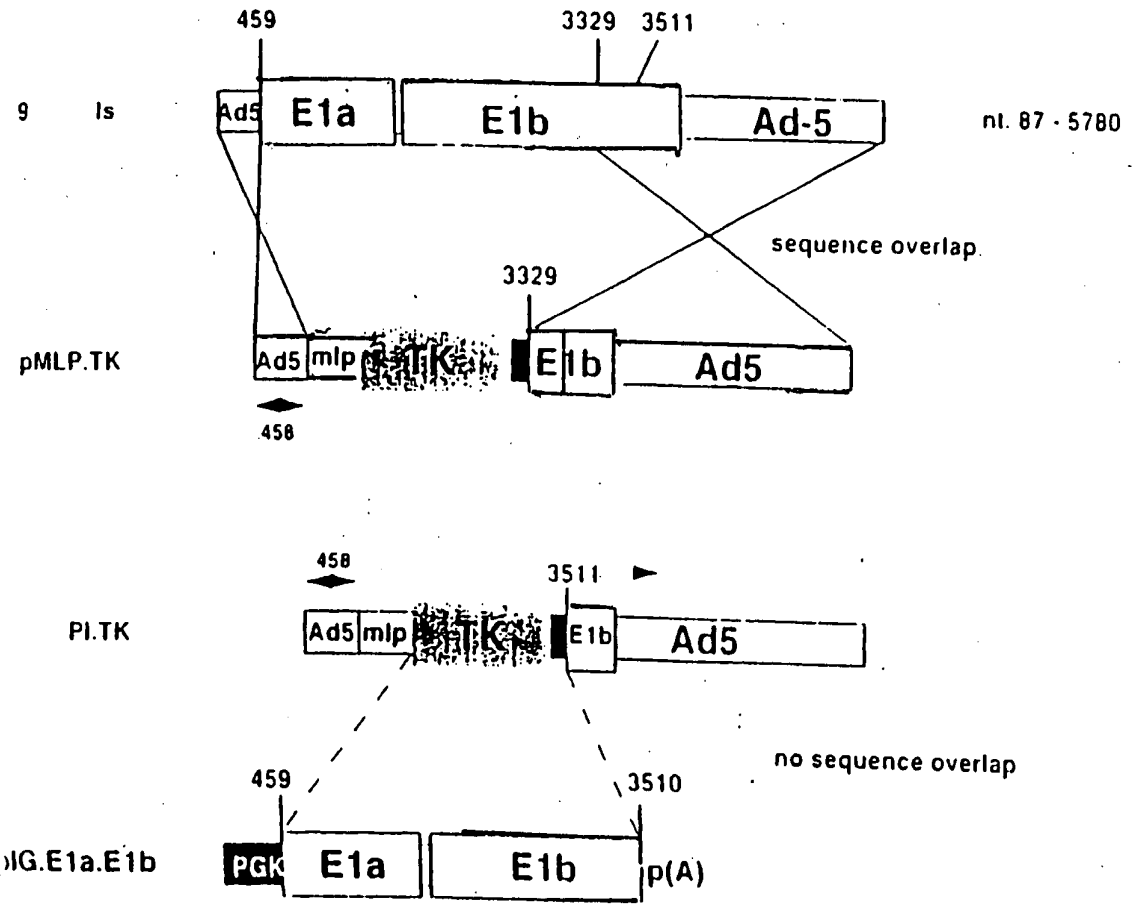


Figure 11a

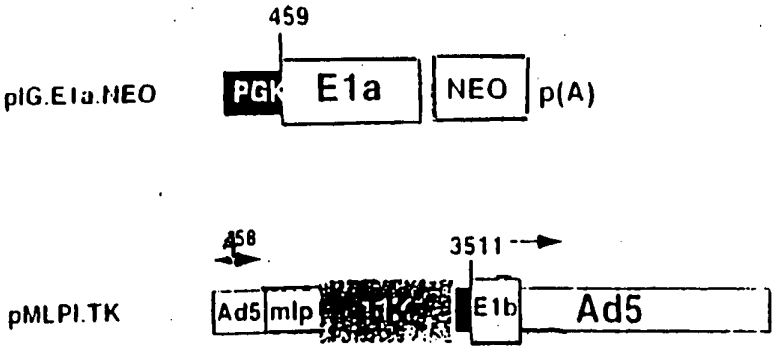


Figure 11.b

Generation of recombinant adenovirus

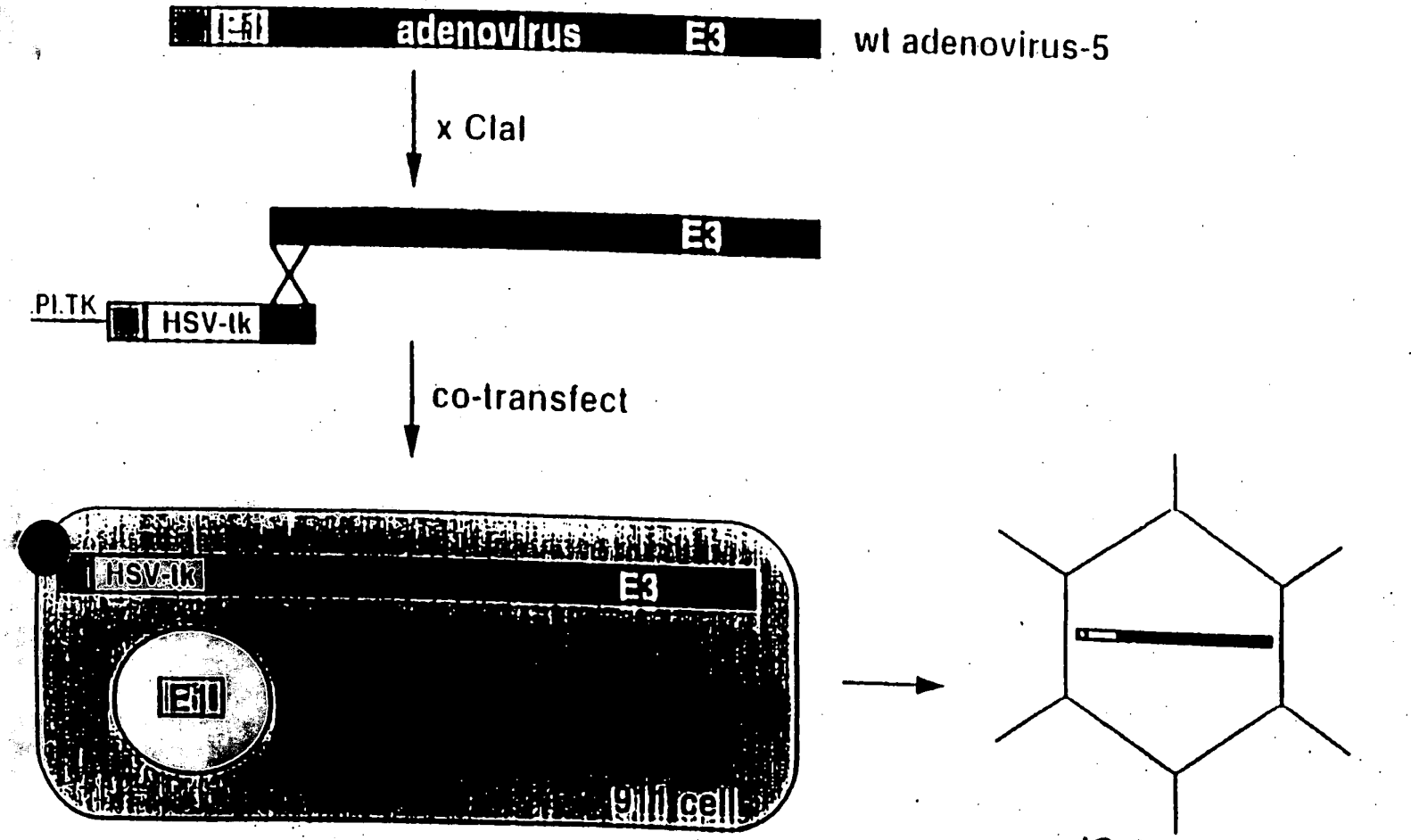


FIG. 12

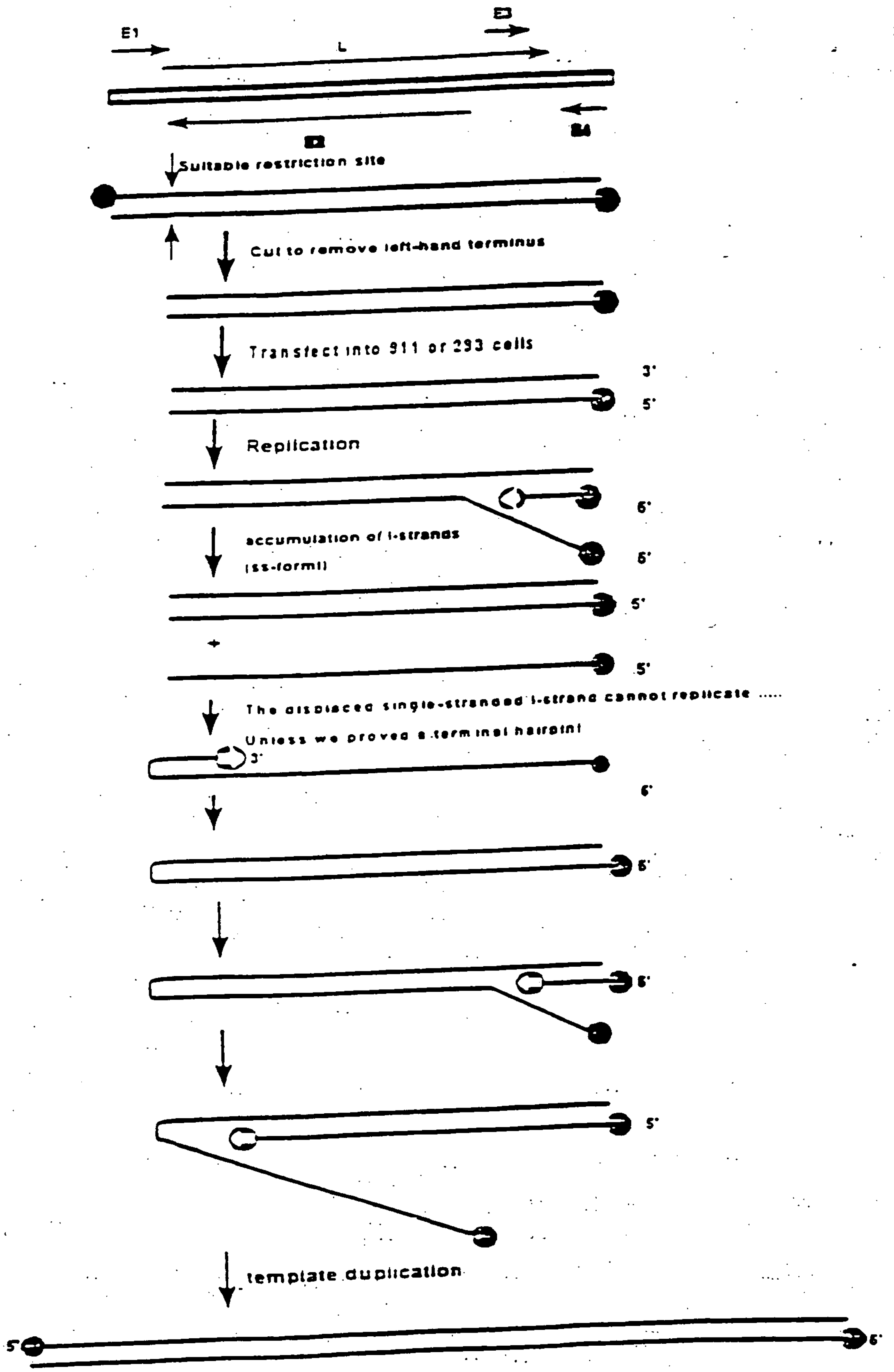


Figure 13

Replication of Adenovirus

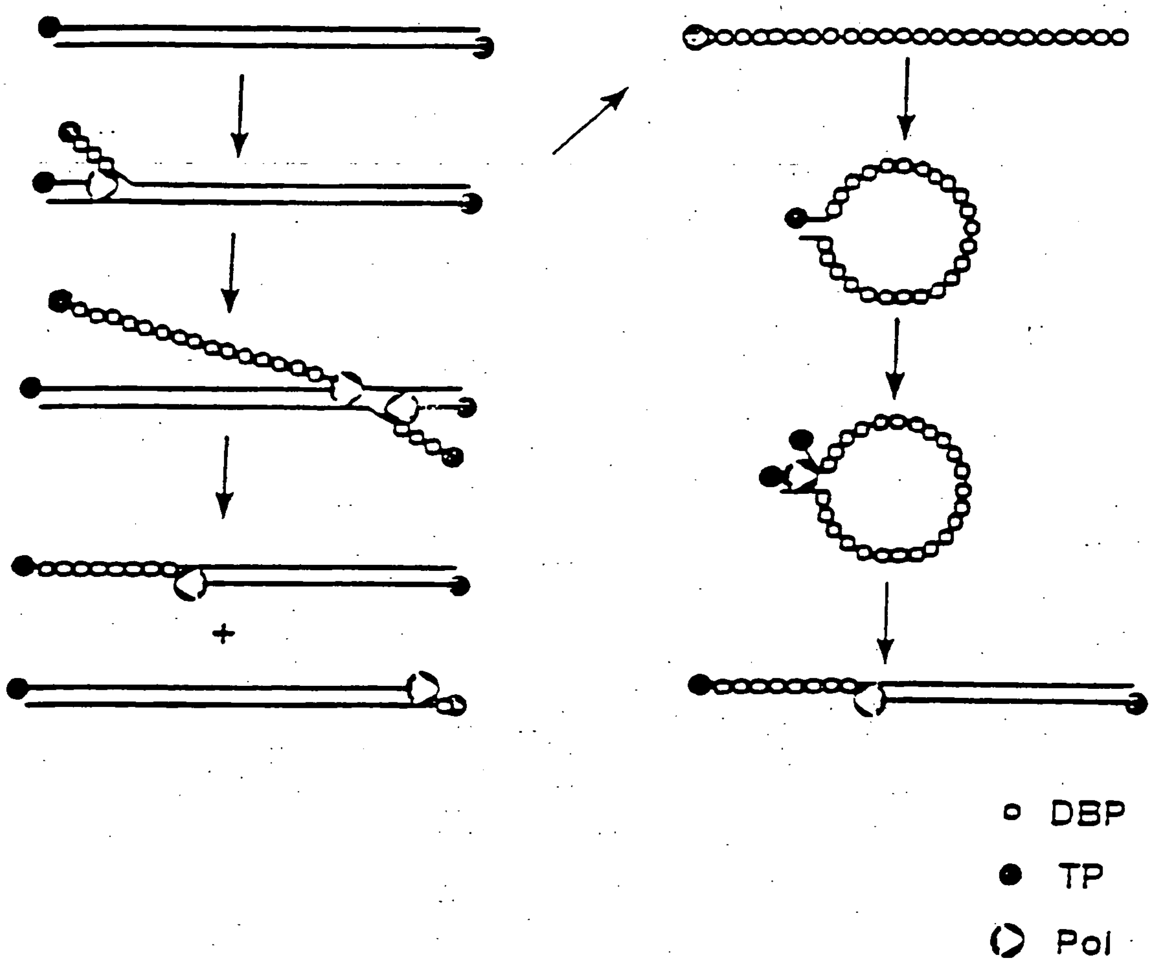


Figure 14

```
5'-GTACACTGACCTAGTGCCGCCCGGGCA
                  ||||||||||||||||||| A
            3'-GATCACGGCGGGCCCGA
```

SEQ ID NO: 14

Figure 15

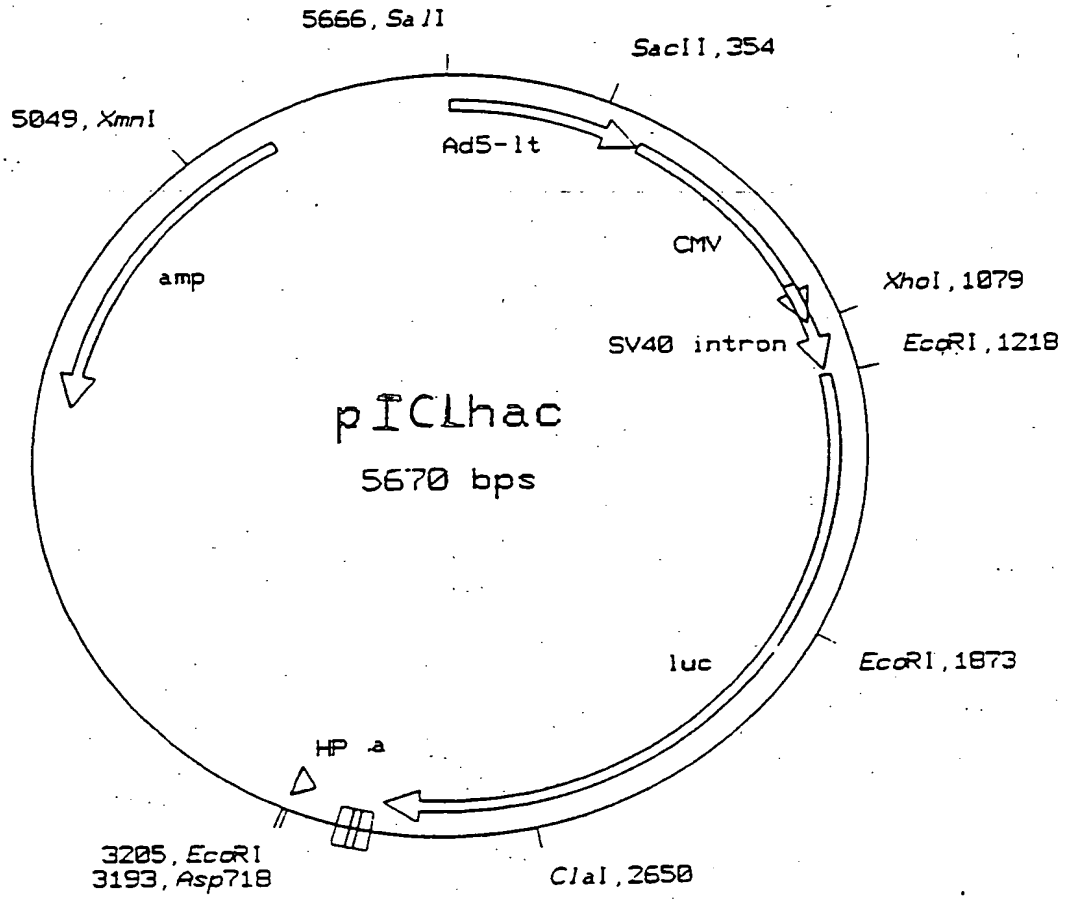

5666, SalI
SacII, 354
5049, XmnI
Ad5-1t
CMV
amp
XhoI, 1079
SV40 intron
EcoRI, 1218
pICLhac
5670 bps
luc
EcoRI, 1873
HP a
3205, EcoRI
3193, Asp718
ClaI, 2650

Fig. 16

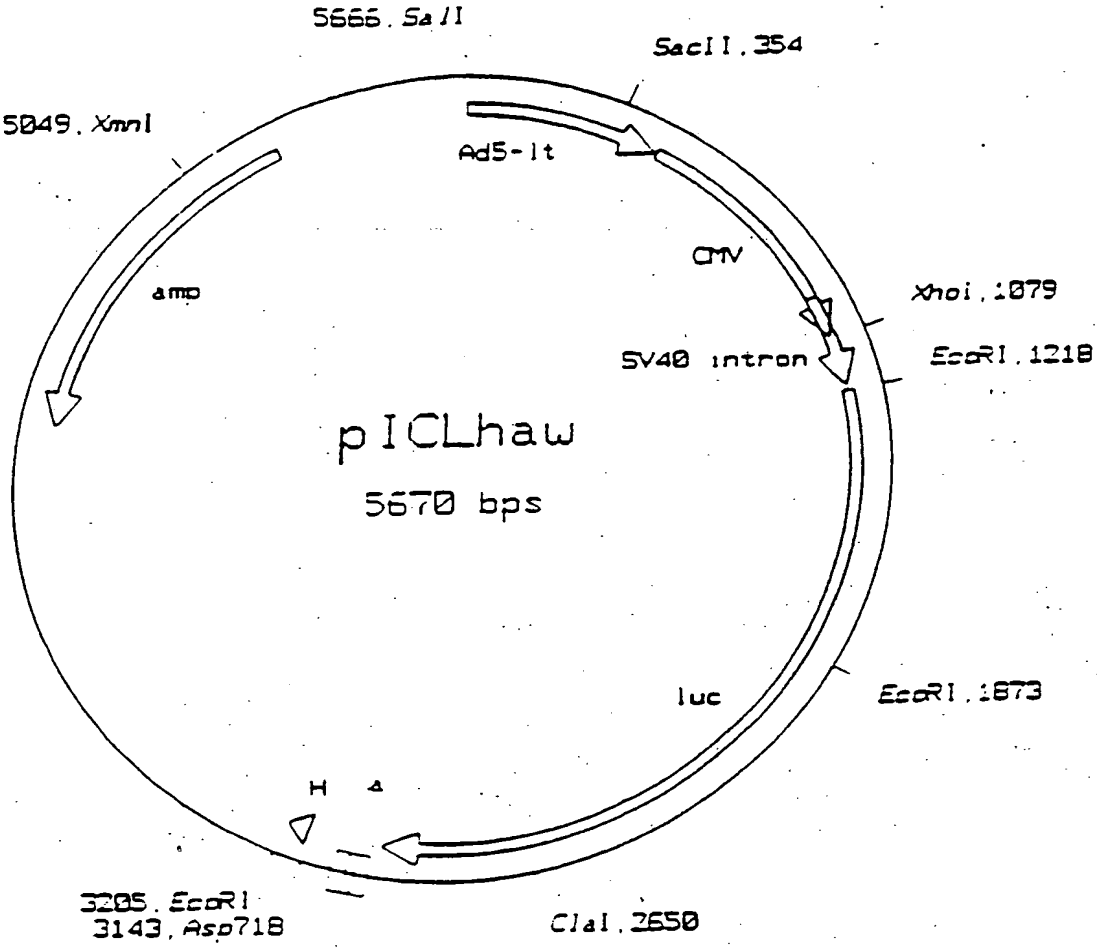


Figure 17

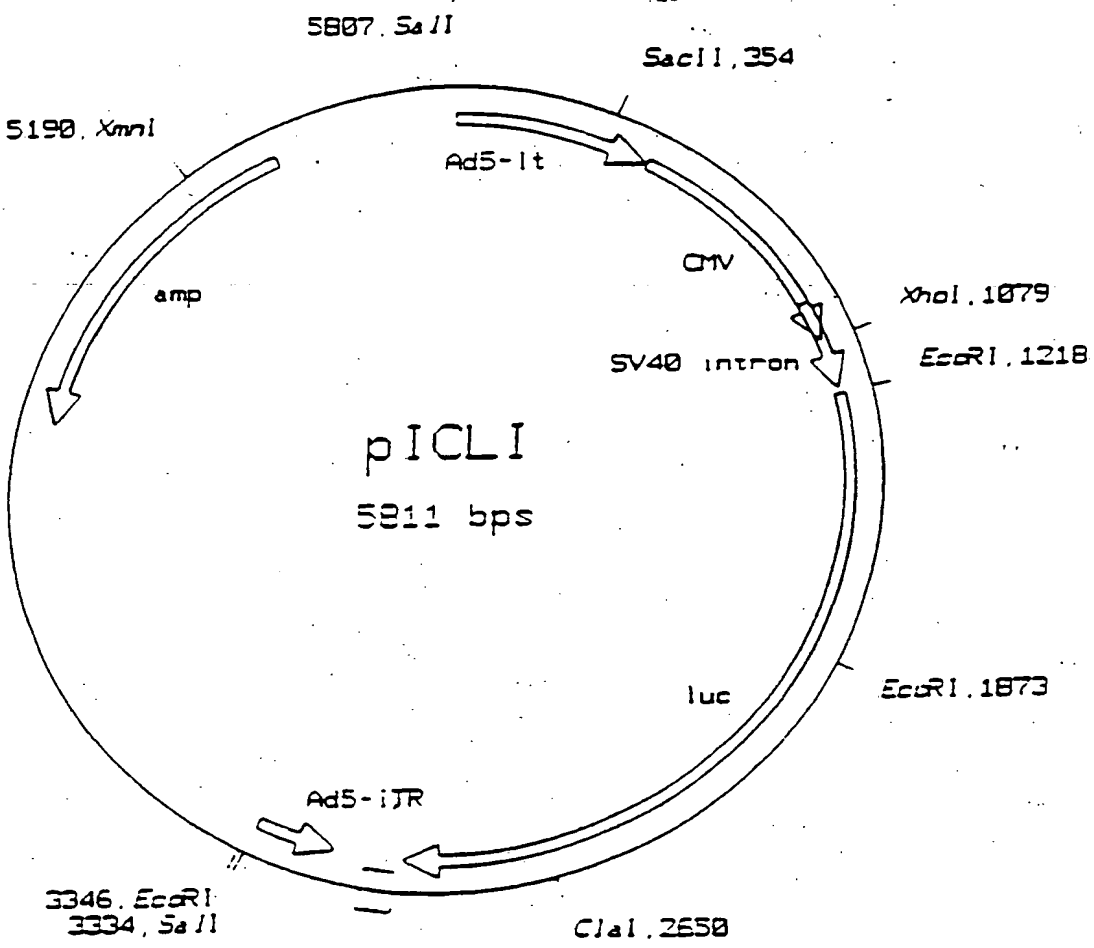

5807. SalI
SacII. 354
5190. XmnI
Ad5-lt
CMV
amp
XhoI. 1079
SV40 intron
EcoRI. 1218
pICLI
5811 bps
luc
EcoRI. 1873
Ad5-iTR
3346. EcoRI
3334. SalI
ClaI. 2650

Figure 18

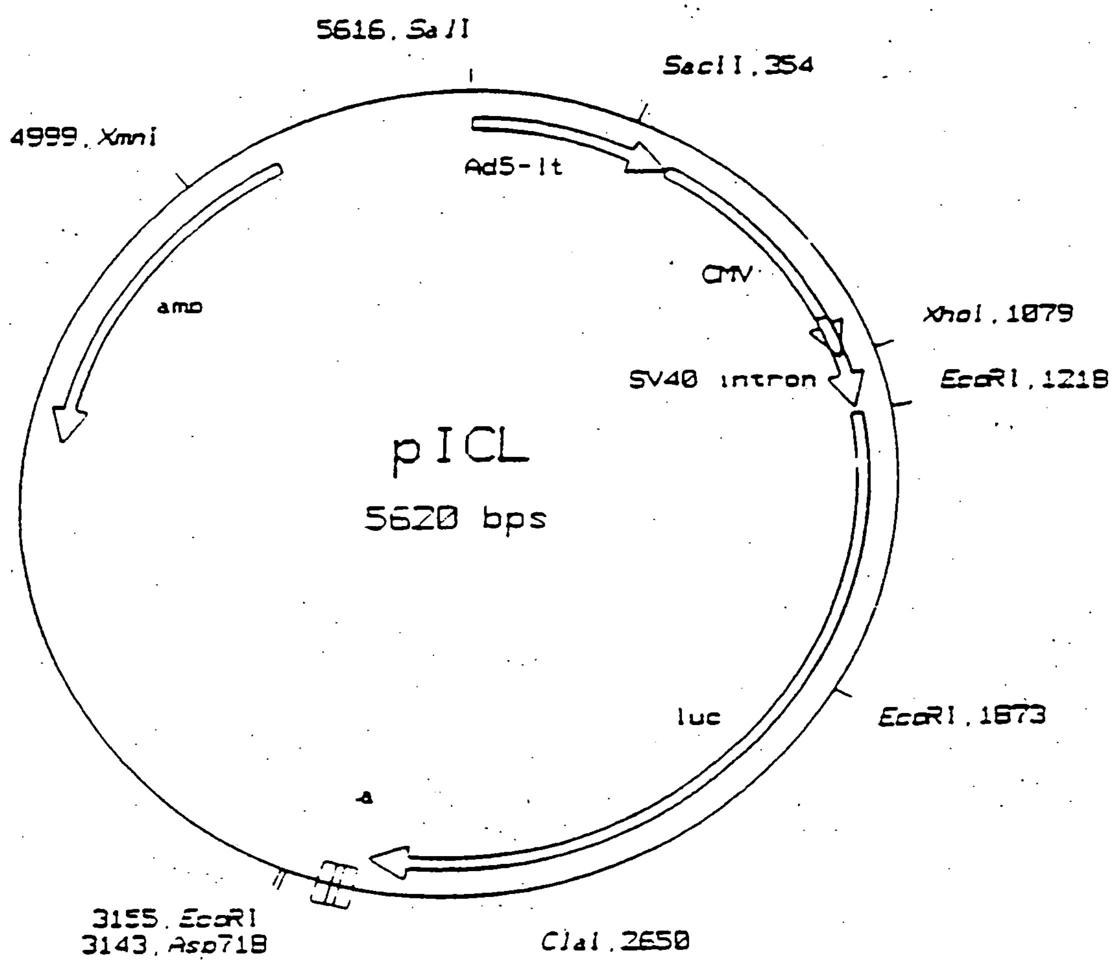


Figure 19

Figure 20

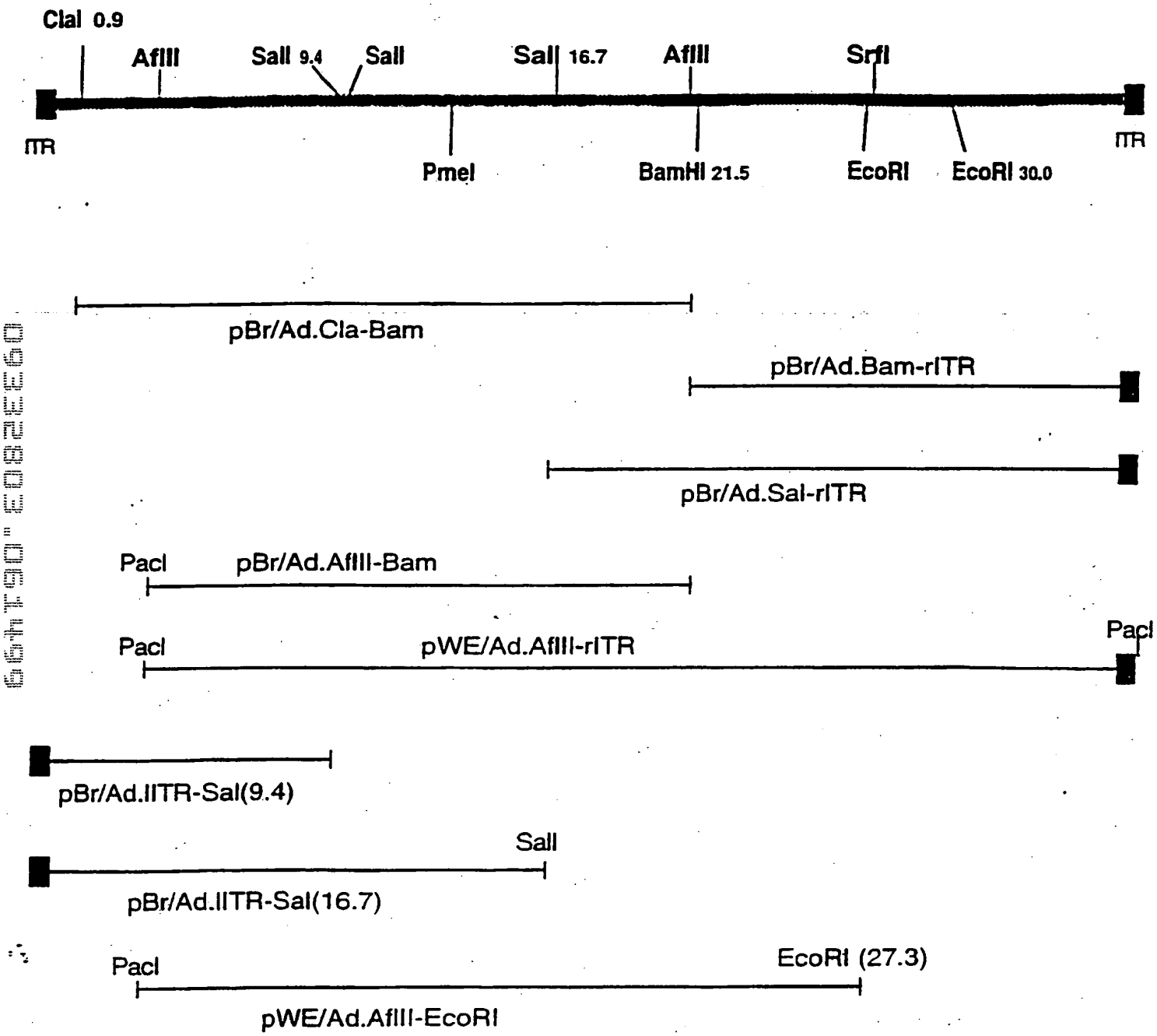

ClaI 0.9
AflII
SalI 9.4
SalI
SalI 16.7
AflII
SrfI
ITR
PmeI
BamHI 21.5
EcoRI
EcoRI 30.0
ITR
pBr/Ad.Cla-Bam
pBr/Ad.Bam-rITR
pBr/Ad.Sal-rITR
PacI
pBr/Ad.AflII-Bam
PacI
pWE/Ad.AflII-rITR
PacI
pBr/Ad.lITR-Sal(9.4)
SalI
pBr/Ad.lITR-Sal(16.7)
PacI
EcoRI (27.3)
pWE/Ad.AflII-EcoRI

Figure 21: Adapter plasmid pAd5/L4[redacted]HSA

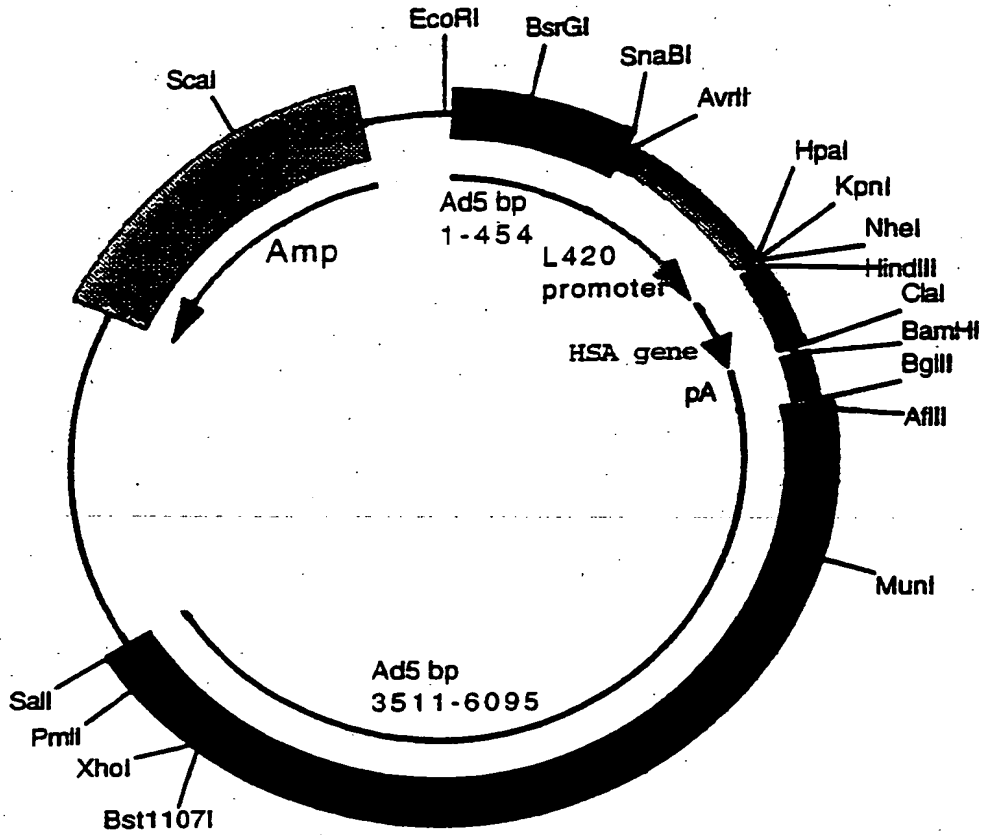


Figure 22: Adapter plasmid pAd5/CLIP

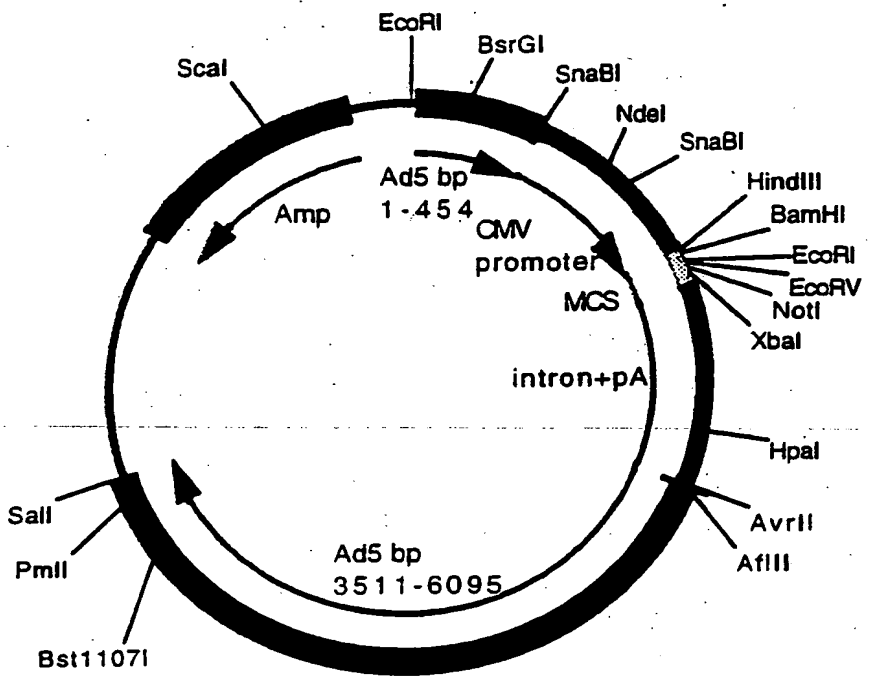


Figure 23: Generation of recombinant adenoviruses

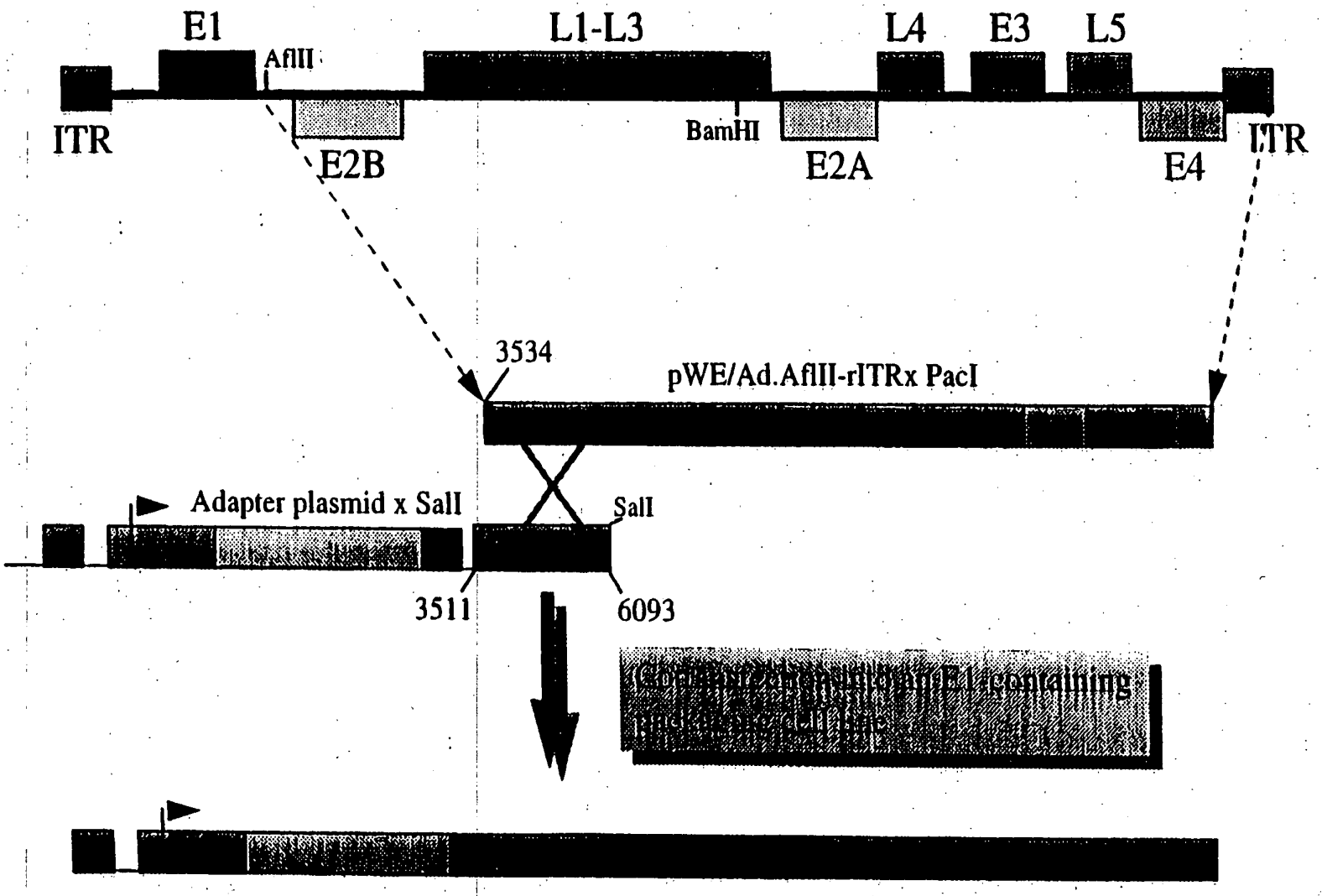


Figure 24.

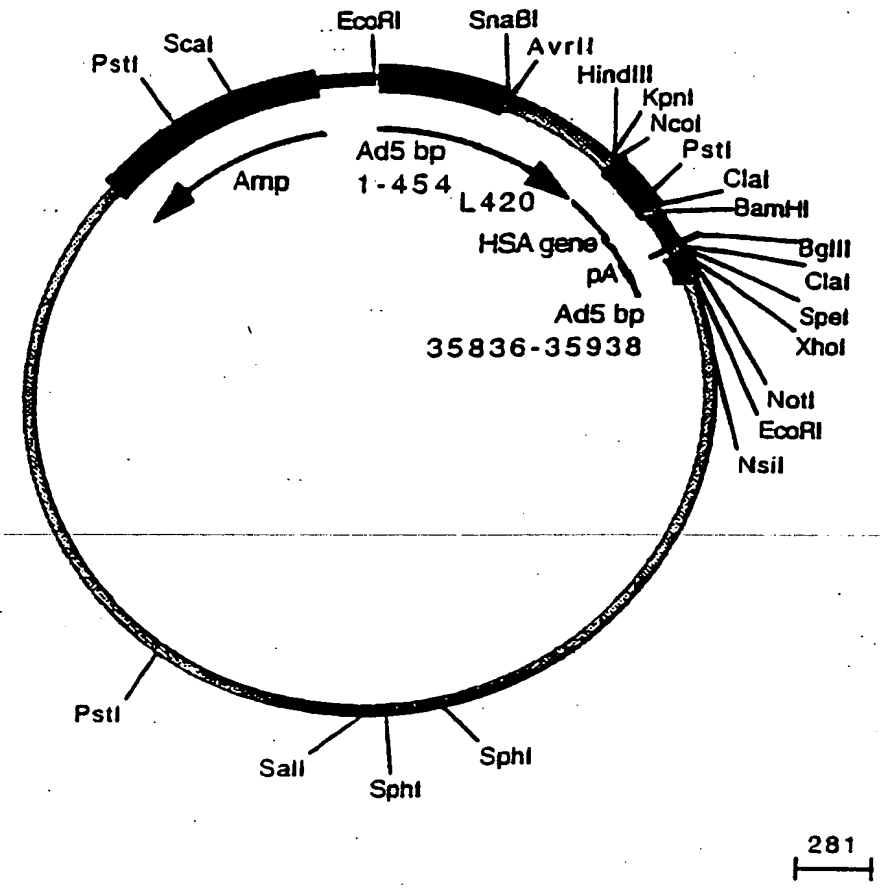


Figure 25

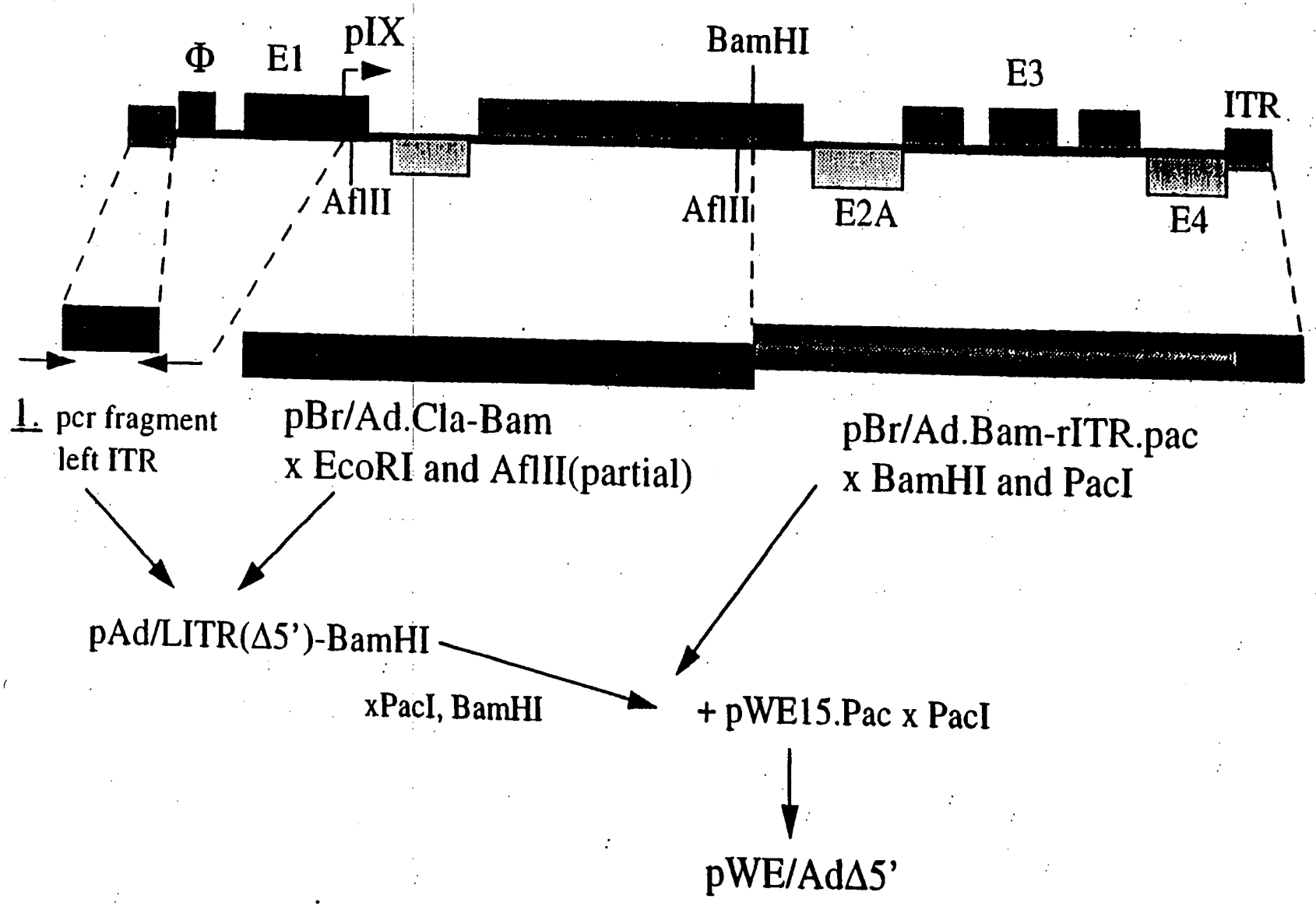
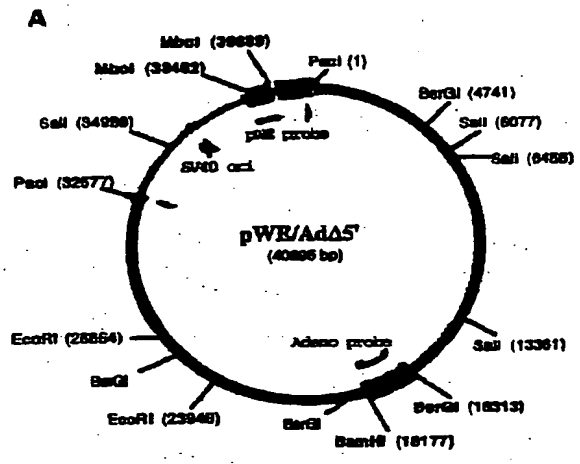
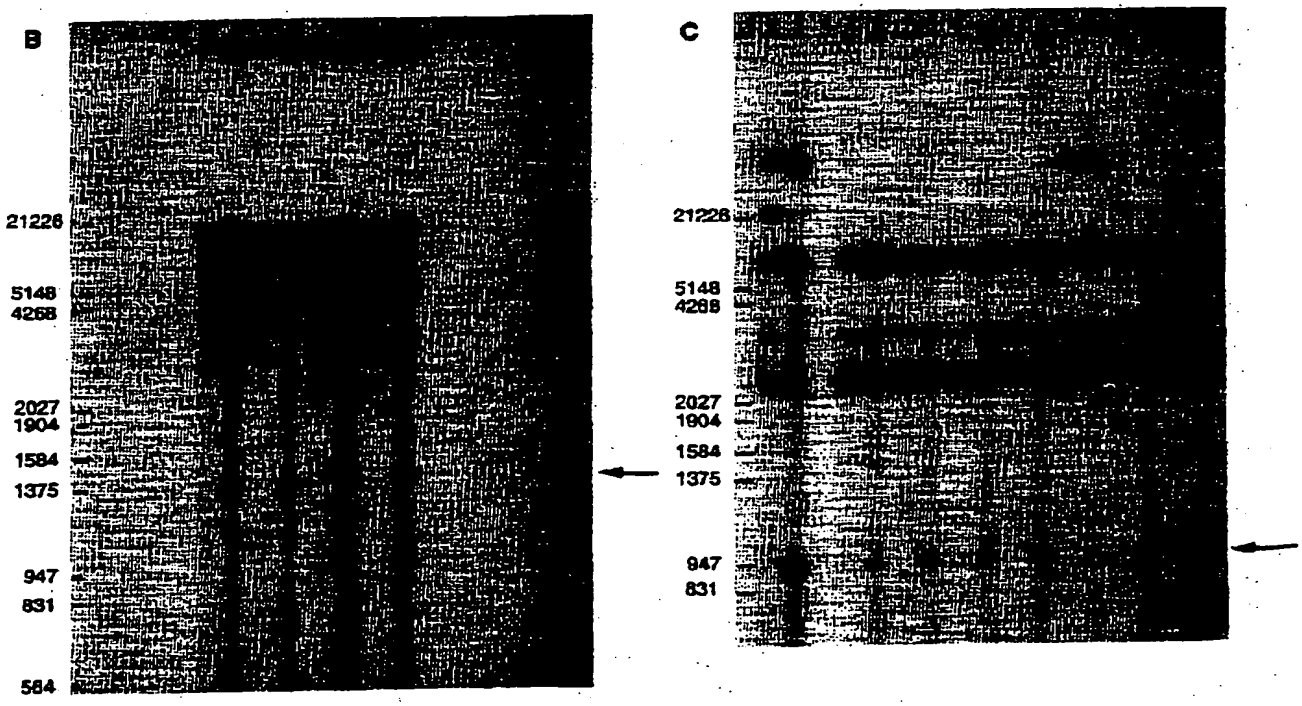


Figure 26


A
MboI (39639)
MboI (39462)
PacI (1)
BamGI (4741)
SalI (6077)
SalI (6455)
SalI (34956)
pIX probe
SV40 ori
PacI (32677)
pWE/AdΔ5'
(40896 bp)
EcoRI (28864)
Adeno probe
SalI (13361)
BamGI
BamGI (16313)
EcoRI (23948)
BamGI
BamHI (18177)


B
21226
5148
4268
2027
1904
1584
1375
947
831
584
C
21226
5148
4268
2027
1904
1584
1375
947
831